



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

January 22, 2018

Mr. Christopher Bisignano
Supervisory Bridge Management Specialist
One South Street
New York, NY 10004-1466

RE: Seabrook-Hampton X-A004(658), 41510
Hampton Harbor Bridge Repair Project

Dear Mr. Bisignano,

This letter is being written to request a lift schedule deviation to the Hampton Harbor Bridge Lift Operations for the period from 06:30 a.m. on Monday February 19, 2018 until the bridge is fully operational and turned over to NHDOT in approximately 28 days. This request is being put forth to try and adequately balance the needs of the users of the river while allowing the replacement of the failed couplings to the operating machinery of the drawbridge. The failed couplings had emergency interim repairs completed last summer (2017). The coupling replacement and operating machinery repairs consist of removal, machining, realigning, painting, reinstallation, and testing of the couplings, the connecting gear shafts, and main pinion shafts at the west and east bascule girders.

Based on feedback received from various users of the river at the NHDOT's initial users' meetings on July 26, 2017 (notes attached), Hampton Selectboard Meeting on October 30, 2017, and Seabrook Selectboard Meeting on November 6, 2017, including the Eastman, Al Gauron, Yellowbird, the Smith and Gilmore, NH Port Authority, and others, the NHDOT is requesting the following modified lift schedule from 06:30 a.m. Monday, February 19, 2018 to 11:59 p.m. Friday, March 23, 2018.

1. There will be no bridge lifts during the period noted. The clear distances with the lift bridge in the down position is 18 vertical feet to MHW and 40 feet horizontal.
2. During work hours, the horizontal channel width may be further restricted by the use of a 20 ft by 40ft work barge with inland tug/push boat. The barge will obstruct 20 feet of the 40 foot horizontal clear distance of the channel. The barge will be secured to the fenders while in position via land lines. No anchor lines will be required. If needed, the barge may be removed from the channel within 15 to 20 minutes of radio notification.

The Department has scheduled another users' meeting for January 22nd to provide outreach on the potential closure period from February 19th to March 23rd.

Please be advised that the March 23, 2018 lift schedule deviation end date requested is contingent upon NHDOT's Operational Acceptance of the bridge from SPS New England. The project team is hopeful that the bridge will be fully operational prior to that date. The NHDOT will stay in communication with you as the work progresses and the Operational Acceptance date becomes clear.

SPS New England of Salisbury, MA is the contractor responsible for the performance of this work.
Emergency contact information for NHDOT and SPS New England is listed below:

NHDOT

1. Kevin Winn, NHDOT Contract Administrator - (603) 818-1872
2. Nickie Hunter, NHDOT District Construction Engineer: (603) 419-9340; H: (603) 707-9155

SPS New England, Inc.

1. Office: (978) 462-6543
2. Mark McLellan – (978) 423-6328; H: (978) 463-3211
3. Jim Zechello – (978) 423-6319
4. Bill Schurman, Sr. Project Manager – (978) 265-7263
5. Eric Johnson – (978) 995-4823

Attached for review and/or reference is the following supporting documentation provided by SPS New England:

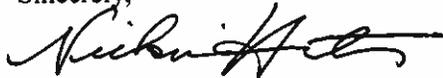
1. January 22, 2018 Letter from SPS to NHDOT – Lift Schedule Deviation Request
2. January 19, 2018 List of SPS emergency phone numbers
3. Plan drawing showing elevation view of the bridge
4. Plan view of 20'x40' barge layout and push boat located adjacent to north pier during work hours
5. Proposed schedule of work

Additional attached documentation includes the following:

1. Dec. 21, 2017 Email from Eastman's Fishing Fleet
2. July 26, 2017 Stakeholder's Conference Report

If you have any questions, concerns or comments related to the above request, please don't hesitate to email me at nickie.hunter@dot.nh.gov or give me a call at (603) 419-9340.

Sincerely,



Nickie Hunter, P.E.
NHDOT District Construction Engineer

cc: Jeffrey Stieb, USCG
LT. Matthew Odom, USCG
LT. Robert Nichols, USCG
Kevin Winn, NHDOT
Bill Schurman, SPS New England



New England, Inc.

98 Elm Street, Route 110, Salisbury, Massachusetts 01952
Phone: 978-462-6543 ~ Fax: 978-462-0345 ~ www.spsnewengland.com

January 22, 2018

Nickie Hunter, P.E.
District Construction Engineer – District 6
New Hampshire Department of Transportation – Highway Division
271 Main Street
Durham, NH 03824

Re: NHDOT Contract No. 41510
Operating Machinery Repairs to the Neil R. Underwood Drawbridge
Hampton, NH.

Dear Ms. Hunter;

SPS New England, Inc. is submitting a deviation request for Drawbridge Operations at the above stated project. This request is for the interruption of the navigational channel that will affect mariner traffic. In accordance with the U.S. Coast Guard Administration, under “General Construction Requirements”, we are notifying the Department that construction operations will require the following modifications to navigational traffic which shall be submitted to the U.S. Coast Guard for approval.

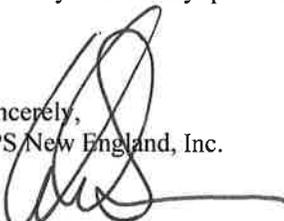
The Bascule Operation Machinery Repairs located at the north pier, adjacent to the draw house, will be constructed with the span in the closed position starting Monday, February 19, 2018 starting at 6:30 AM. The existing navigation channel will be restricted vertically since the bridge will be in the closed position. The channel will also be restricted horizontally by the use of a 20ft x 40ft work barge with inland tug / push boat. With the barge in the channel it will obstruct 20 feet out of a 50 feet of channel width. The barge will be secured to the fenders while in position via land lines. No anchor lines will be required. A marine radio will be utilized by the barge operator to keep in contact with mariners while positioned within the channel. If required, the barge will be removed from the channel if ongoing mariner traffic cannot make the 30ft wide passage of the restricted channel. The barge shall be set up with 4 steady burn white lights at all four corners. At the end of each shift, the barge shall be moved outside of the channel and moored safely in the bay. The existing Navigational lighting on the fenders will not be obstructed of view from other mariners.

We have attached a copy of the barge location plan to give the Coast Guard an idea of the work area being performed. A schedule of operations has been provided to the department with weekly updates as construction proceeds throughout this contract.

We respectfully request your approval to suspend Bascule Span operations over the channel from February 19, 2018 at 6:30 Am to March 23, 2018 at 12:00 Am for the duration to repair the operating machinery for the above reference project. We will notify the U.S. Coast Guard when the Bascule Span has passed its final inspection and have reopened to maritime traffic.

Should you have any questions, please feel free to contact us.

Sincerely,
SPS New England, Inc.



William Schurman
Project Manager

Cc: File

“Building Bridges To The Future”



New England, Inc.

98 Elm Street, Route 110, Salisbury, MA 01952/(978) 462-6543

FAX (978) 462-0345

January 19, 2018

Nickie Hunter, PE.
District Construction Engineer
NH DOT Highway Division – District 6
271 Main Street
Durham, NH. 03824

Re: NH DOT Contract No. 41510
Operating Machinery Repairs to the Neil R. Underwood Drawbridge
Hampton, NH

Dear Ms. Hunter:

Enclosed please find a revised list of emergency phone numbers for the above referenced project.

	<u>Home</u>	<u>Cellular</u>
SPS Office	(978) 462-6543	
Mark McLellan	(978) 463-3211	(978) 423-6328
Jim Zechello		(978) 423-6319
Bill Schurman		(978) 265-7263
Eric Johnson		(978) 995-4823

Sincerely,
SPS New England, Inc.

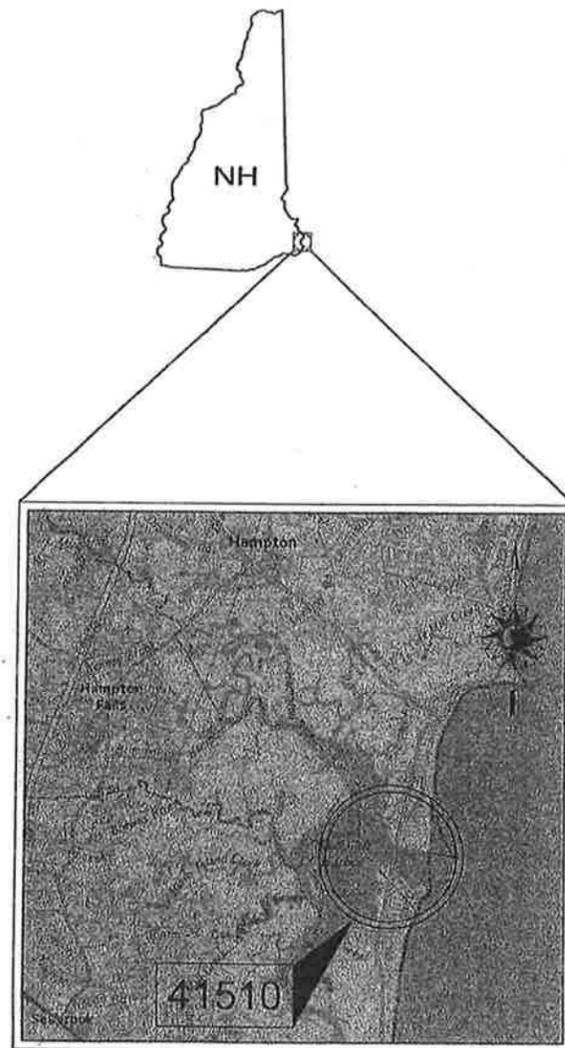
William Schurman
Project Manager

CC: File

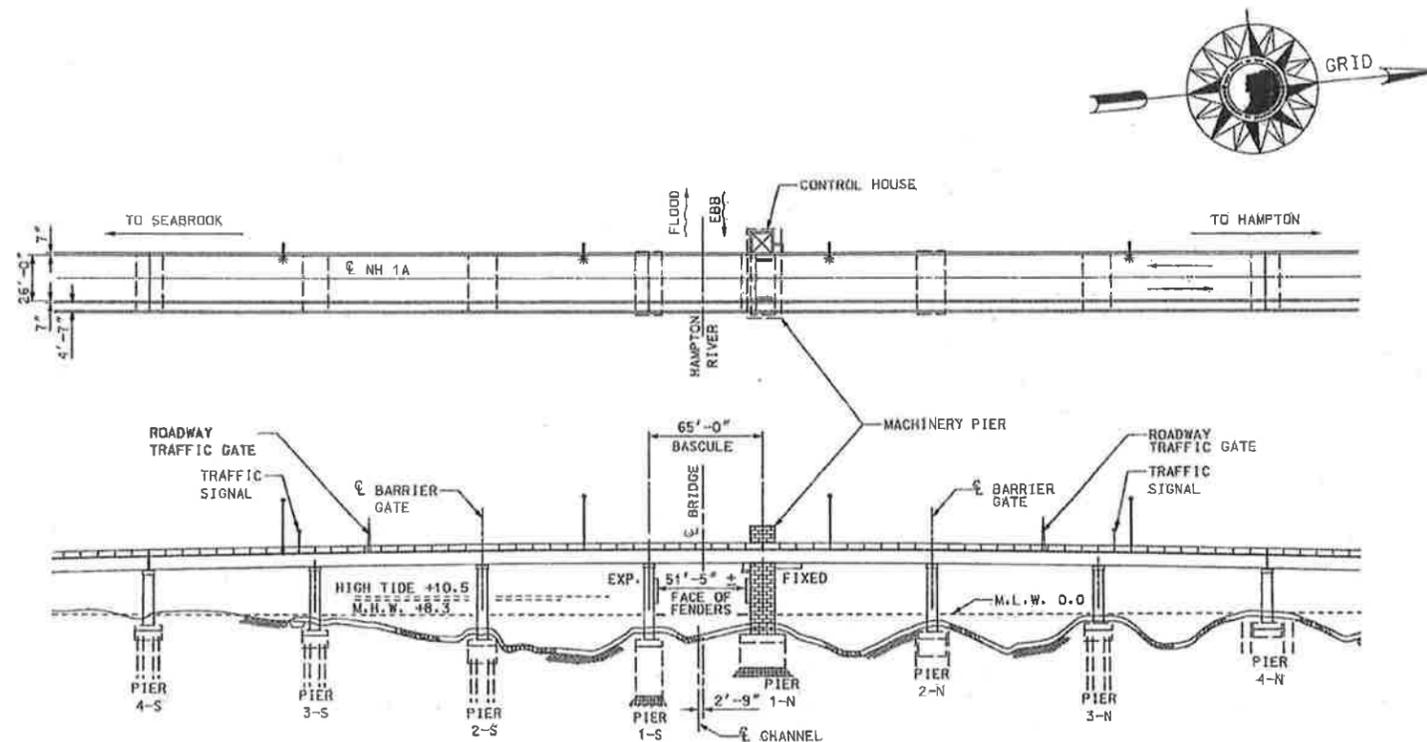
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS
FEDERAL AID PROJECT

FEDERAL PROJECT NO. X-A004(658)
NH PROJECT NO. 41510
NH 1A (OCEAN BOULEVARD) OVER HAMPTON RIVER
BRIDGE NO. 235/025

DESIGN DATA	
AVERAGE DAILY TRAFFIC, 2015	8,959
AVERAGE DAILY TRAFFIC, 20--	--
PERCENT OF TRUCKS	7%
DESIGN SPEED	30 MPH
LENGTH OF PROJECT	1,200 LF



LOCATION MAP
N.T.S.



PARTIAL PLAN AND ELEVATION

NOTE: ELEVATIONS OF TIDE AND WATER LEVELS TAKEN FROM EXISTING PLANS.

TOWN OF HAMPTON
COUNTY OF ROCKINGHAM

SCALE: 1" = 50'

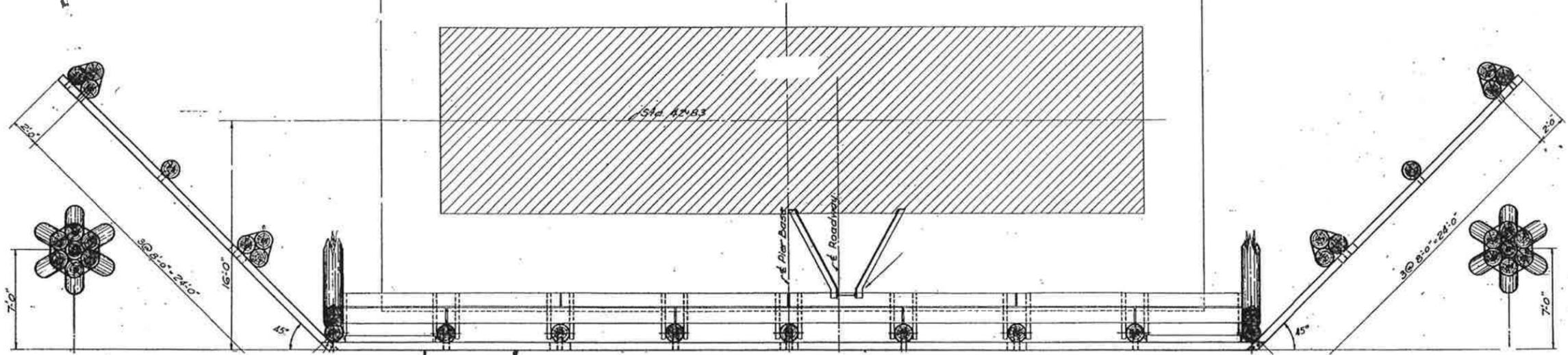
NH DOT		THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION	
RECOMMENDED FOR APPROVAL:			
for <i>William J. Murphy</i>		11/1/17	
DIRECTOR OF PROJECT DEVELOPMENT		DATE	
APPROVED: <i>William J. Murphy</i>		11/1/17	
ASSISTANT COMMISSIONER AND CHIEF ENGINEER		DATE	
U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION			
APPROVED: _____			
DIVISION ADMINISTRATOR DATE			
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A004(658)	41510	M-001	6



DATE _____
CHECKED BY _____
DATE _____



South Pier

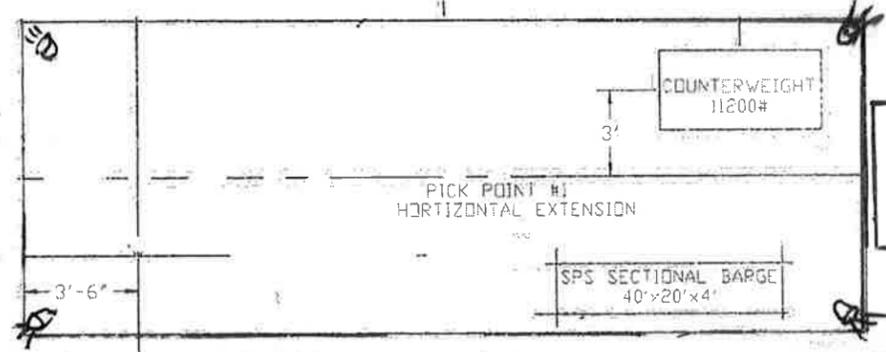


40 ft clear distance

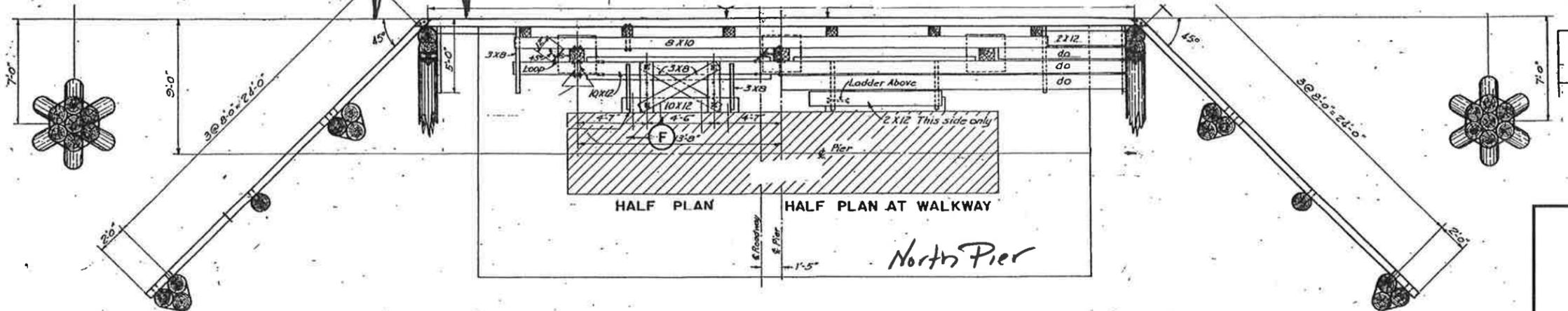
50 Ft.

30 Ft.

20 ft clear distance with barge in channel



Push Boat



North Pier

SPS New England, Inc.

Neil R Underwood Drawbridge
Repairs to the Operational Machinery
NHDOT Contract 41510

Date: 1/19/2018	Drawn By WIS	Scale: NTS
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NHDOT APPENDIX
FEEDBACK FROM RIVER USERS

Email from Eastmans Fishing Fleet on proposed closure

> -----Original Message-----

> From: Lester [<mailto:least36932@aol.com>]

> Sent: Thursday, December 21, 2017 1:41 PM

> To: Landry, Robert

> Subject: Hampton Bridge

>

> Thank you for the heads up on the repairs and timing. We are closing after tomorrow so the bridge will not be needed again until March 30th! Hopefully the entire month will be enough time to get the project finished. Thanks again Les Eastman Jr Eastmans Fishing Fleet

>

> Sent from my iPhone

**STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF BRIDGE DESIGN**

CONFERENCE REPORT

PROJECT: Seabrook-Hampton 15904
NH Routes 1A over Hampton Harbor
Br. No. 235/025

DATE OF CONFERENCE: July 26, 2017, 1:00 PM

LOCATION OF CONFERENCE: Seabrook Beach Village Precinct Building, 310 Ocean Boulevard

ATTENDED BY:	<u>NHDOT</u>	<u>NH Port Authority</u>	Les Eastman, Eastman
	D. Gosling	G. Marconi	April, Al Gauron
	R. Landry	K. Hanlon	Angel Chiaramida
	J. Reczek	T. Shattuck	Lt. W. Mendenhall, USCG
	D. Francis		

SUBJECT: Repairs to mechanical system and potential temporary revision to lift schedule

NOTES ON CONFERENCE:

This meeting was held to provide information to the users of the waterway about the recent mechanical failure at the bridge and explain the upcoming interim repair and reconstruction projects. Some of the following were discussed:

- D. Gosling provided an overview of the mechanical problem and described the steps that the Department took to get the bridge in operating condition. He explained that one of the two couplers that enable that bridge to open had failed. Emergency repairs were made by Bridge Maintenance to essentially by-pass the coupler. There is concern that the repairs may not last until the interim project with the current number of openings. He emphasized that this failure is not a safety concern for bridge users.
- R. Landry discussed the interim repair project that is slated to Advertise in the fall. These repairs will provide a longer-term solution that should last until the reconstruction project.
- J. Reczek explained that the Department was beginning a reconstruction project for this bridge. She outlined some of the alternatives that will be investigated and the schedule for the project. She also mentioned that there would be an opportunity for interested parties to become consulting parties as part of the Section 106 process to provide input into the selected alternative.
- Representatives from two of the fishing charter companies attended the meeting. They agreed that they could work together with the other charters to coordinate their trips and minimize the number of bridge lifts needed. They also expressed frustration about sedimentation of the channel, although it was understood that NHDOT is not responsible for dredging of the harbor.

SUBMITTED BY: Jennifer E. Reczek, PE
Project Manager